



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: David J. Roach et al. PATENT APPLICATION
Serial No.: 09/737,675 Group Art Unit:
Filed: December 13, 2000 Examiner:
For: APPARATUS AND METHOD FOR FILLING AND
CLEANING CHANNELS AND INLET PORTS IN
MICROCHIPS USED FOR BIOLOGICAL ANALYSIS

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Information Disclosure Statement

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure under 37 C.F.R. 1.56. Copies of the first three references listed below are enclosed. However, a copy of each of the other references was previously submitted in prior application no. 09/556,897 filed by David J. Roach et al. on June 20, 2000 and entitled "Robotic Microchannel Bioanalytical Instrument", and prior application no. 09/109,676 filed by David J. Roach et al. on August 18, 1998 and entitled "Robotic Microchannel Bioanalytical Instrument". Copies of these prior references are not included with the present statement as permitted by 37 CFR 1.98(d).

U.S. Patents

<u>Pat. No.</u>	<u>Inventor</u>	<u>Grant Date</u>
5,916,428	Kane et al.	Jun. 29, 1999
5,851,370	Maracas et al.	Dec. 22, 1998
5,635,050	Pentoney et al.	Jun. 03, 1997

4,554,839	Hewett et al.	Nov. 26, 1985
4,803,050	Mack	Feb. 07, 1989
4,909,920	Sarrine et al.	Mar. 20, 1990
4,938,080	Sarrine et al.	Jul. 03, 1990
4,952,518	Johnson et al.	Aug. 28, 1990
5,096,670	Harris et al.	Mar. 17, 1992
5,108,703	Pfost et al.	Apr. 28, 1992
5,274,240	Mathies et al.	Dec. 28, 1993
5,376,252	Ekstrom et al.	Dec. 27, 1994
5,460,709	Sarrine et al.	Oct. 24, 1995
5,500,071	Kaltenbach et al.	Mar. 19, 1996
5,571,410	Swedberg et al.	Nov. 05, 1996
5,587,128	Wilding et al.	Dec. 24, 1996
5,681,484	Zanzucchi et al.	Oct. 28, 1997
5,716,825	Hancock et al.	Feb. 10, 1998
5,906,723	Mathies et al.	May 25, 1999
6,013,168	Arai	Jan. 11, 2000

Other References

A. T. Woolley et al., "High-Speed DNA Genotyping Using Microfabricated Capillary Array Electrophoresis Chips", Anal. Chem. 69:2181-2186 (1997);

A. T. Woolley et al., "Ultra-High-Speed DNA Sequencing Using Capillary Electrophoresis Chips", Anal. Chem., 67:3676-3680 (1995);

P. C. Simpson et al., "High-throughput genetic analysis using microfabricated 96-sample capillary array electrophoresis microplates", Proc. Natl. Acad. Sci. USA, 95:2256-2261 (1998);

R. M. McCormick et al., "Microchannel Electrophoretic Separations of DNA in Injection-Molded Plastic Substrates", Anal. Chem., 69:2626-2630 (1997);

C. Davidson et al., "Development of a Microchannel Based DNA Sequencer", DOE Human Genome Program Contractor-Grantee Workshop VI, Santa Fe, NM (1997);

D. Jed Harrison et al., "Capillary Electrophoresis and Sample Injection Systems Integrated on a Planar Glass Chip", Analytical Chemistry, vol. 64, no. 17, Sept. 1, 1992, pp. 1926-1932;

D. Jed Harrison et al., "Micromachining a Miniaturized Capillary Electrophoresis-Based Chemical Analysis System on a Chip", Science, vol. 261, Aug. 13, 1993, pp. 895-897;

S. Jacobson et al., "Effects of Injection Schemes and Column Geometry on the Performance of Microchip Electrophoresis Devices", Analytical Chemistry, vol. 66, no. 7, April 1, 1994, pp. 1107-1113;

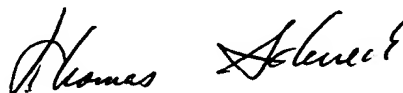
S. Jacobson et al., "High-Speed Separations on a Microchip", Analytical Chemistry, vol. 66, no. 7, April 1, 1994, pp. 1114-1118.

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any other paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D. C. 20231.

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